



## INTERNATIONAL SEARCH REPORT

International application No.

			PCT/US03/34811			
A. CLAS	SIFICATION OF SUBJECT MATTER					
IPC(7) : G01N 33/00; A01K 67/00, 67/033, 67/027; C12N 5/00, 5/02						
TIS CT. 800/3, 8, 9, 14, 21, 24; 435/325						
According to International Patent Classification (IPC) or to both national classification and IPC						
B. FIELDS SEARCHED						
Minimum doo	cumentation searched (classification system followed l	by classification sym	ibols)			
U.S. : 80	00/3, 8, 9, 14, 21, 24; 435/325					
Documentation	on searched other than minimum documentation to the	extent that such doc	cuments are included	l in the fields searched		
POCCHIIOTHITION 0-001-410-0 ONIAN INTERNATIONAL INTERNATIO						
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)						
Electronic da	ta base consulted during the international search (nam	e of data base and, v	where practicable, so	catch reling riser)		
CAPLUS, MEDLINE, EMBASE, BIOSIS, LIFESCI, WEST						
C. DOCU	UMENTS CONSIDERED TO BE RELEVANT		<del> </del>			
Category *	Citation of document, with indication, where ap	propriate, of the rele	vant passages	Relevant to claim No.		
A	KOHLHEPP, R.L. et al. ROSA26 Mice Carry a Mo	odifier of Min-Induc	ed Mammary and	1-107, 121-237		
Į	Intestinal Tumor Development. Mammalian Genom	e. 2000, Vol 11, pa	ges 1058-1062,			
]	see entire document.			<u> </u>		
	DRAMBON C. and MAIM Contract to the d	a Divarcification of	Hematopoietic	1, 2, 12-14		
Y	BRANDON, C. et al. WNT Signaling Modulates th Cells. Blood. 15 December 2000, Vol. 96, No. 13	nages 4132-4141	see entire	A) 20 LT		
ļ l	Cells. Blood. 15 December 2000, Vol. 96, No. 13 document.	, Pages 4125-4141, 5				
	weumen.					
Y	LAKO, M. et al. Characterisation of WNT Gene E.	xpression During the	e Differentiation	1, 2, 12-14		
*	of Murine Embryonic Stem Cells In Vitro: Role of	WNT3 in Enhancing	g Haemtopoietic			
1	Differentiation. Mechanisms of Development. 200	1, Vol. 103, pages 4	9-59, see entire			
	document.					
			X7	1 0 16 17 22 53 56		
Y GASSMANN, M. et al. Maintenance of an Extrach		romosomal Plasmid	vector in Mouse	1-8, 16, 17, 22-53, 56- 71, 75, 76, 82-87, 90-		
	Embryonic Stem Cells. Proc. Natl. Acad. Sci. USA		oi. 72, pages	107		
Ì	1292-1296, see entire document.					
l				1		
ŀ		-				
				<u> </u>		
Further	r documents are listed in the continuation of Box C.	See paten	t family annex.			
	Special categories of cited documents:	erry loter document published after the international filing date or priority				
	date and not in conflict with the application but cited to understand			cation but cited to understand the		
"A" document	t defining the general state of the art which is not considered to be	• •				
"X" documen		cument of particular relevance; the claimed invention cannot be nsidered novel or cannot be considered to involve an inventive step				
1	pplication or patent published on or after the international filing date		ocument is taken alone			
"L" document which may throw doubts on priority claim(s) or which is cited to		"Y" document of	of particular relevance: the	claimed invention cannot be		
establish specified	the publication date of another citation or other special reason (as	considered	to involve an inventive ste	p when the document is		
		combined to being obvious	with one or more other suc ous to a person skilled in th	h documents, such combination ne art		
		_	-			
*P* document published prior to the international filing date but later than the priority date claimed		"&" document	member of the same patent	iamily		
		Data of mailing of	the international co-	arch report		
Date of the actual completion of the international search		pate of matting of	the international ser	7 2000		
08 April 200	04 (08.04.2004)		& I WAT	<b>LUU4</b>		
	nailing address of the ISA/US	Authorized officer	11 .2 4	1 1 .		
Mail Stop PCT, Attn: ISA/US		Authorized officer Thai-An N Ton  A. Robert  Thai-An N Ton				
Commissioner for Patents						
P.C	O. Box 1450 exandria, Virginia 22313-1450	Telephone No. (5	71) 272-1600			
Facsimile No. (703)305-3230						

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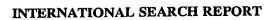




## INTERNATIONAL SEARCH REPORT

MED, T. et al. Gene Transfer of Alpha Interferon Into Hematopoietic Stem Cells. Remia Research. 1998, Vol. 22, No. 2, pages 119-124, see entire document.  CKEL, A.W. et al. Altered Neuronal Nitric Oxide Synthase Expression Contributes to ase Progression in Huntington's Disease Transgenic Mice. Brain Research. 2002. 939, pages 76-86, see entire document.	1, 2, 4, 5, 7, 11, 1 
ase Progression in Huntington's Disease Transgenic Mice. Brain Research. 2002.  939, pages 76-86, see entire document.  BER. M. et al. Formation of Cartilage Matrix Proteins by BMP-Transfected Murine enchymal Stem Cells Encapsulated in a Novel Class of Alginates. Biomaterials.	33, 35-37, 54, 55 66-78, 80, 81, 88 89, 121, 176, 177  3, 7, 9, 10, 12-31 34, 38-53, 56, 57 65, 79, 82-87, 90 114, 179-237 3, 7, 9, 10, 12-31
enchymal Stem Cells Encapsulated in a Novel Class of Alginates. Biomaterials.	3, 7, 9, 10, 12-31
, Vol. 23, pages 2003-2013, see entire document.	34, 38-53, 56, 57 65, 79, 82-87, 90 107, 179-237
O, K. et al. Cloned Transgenic Mouse Fetuses from Embryonic Stem cells. Hum December 2001, Vol. 14, No. 4, pages 301-304, see entire document.	1, 2, 4-6, 8, 11, 3 33, 35-37, 54, 55 66-78, 80, 81, 88 89, 121, 176, 17 3, 7, 9, 10, 12-31 34, 38-53, 56, 56 65, 79, 82-87, 90 107, 179-237
	December 2001, Vol. 14, No. 4, pages 301-304, see entire document.

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Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)				
This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:				
1.	Claim Nos.: because they relate to subject matter not required to be searched by this Authority, namely:			
	Claim Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:			
3.  \( \sum_{\text{t}} \) 6.4(a).	Claim Nos.: 108-120 because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule			
Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)				
This International Searching Authority found multiple inventions in this international application, as follows:				
2.	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.  As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:			
4. Remark on P	No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:  The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.			

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